NOvA Project Configuration Management

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Overview

NOVA's Configuration Management Program

- Conforms to
  - DOE O 413.3 Contractor Requirements
  - National Consensus Standard for Configuration Management ANSI/EIA-649-1998 (EIA-649)
- Is tailored for the NOvA Project
  - Table 2 of CMP outlines how EIA-649's 50 CM principles will be addressed
  - Applicable to
    - Hardware and software components
    - Specifications and drawings
    - Management documents & other support documents
- Coordinates with other NOVA PM documents
  - Project Execution Plan
  - Project Management Plan
  - Risk Management Plan
- Is ready to be executed

Purpose of CM

To ensure that:

- Baselines are defined and documented
- Documentation is identified, released and controlled
- A Configuration Control Board (CCB) is established and functions according to CMP guidelines
- Changes to the baseline are evaluated and controlled
- Approved configuration changes are implemented and tracked
- Configuration status accounting is accomplished

CM Tools

- NOvA docDB
  - Tracks versions of documents and retains history
  - Limits access to documents as necessary
- Deltek OpenPlan^{TM} and Cobra^{TM}
  - Project scheduling and reporting tools
  - Controls and tracks changes to the cost/schedule baseline
- Fermilab PPD & AD drawing/spec document management systems called I-DEAS Team
- Concurrent Version System (CVS) for software CM

Document Identification and Control

CM Process Documents

Change Request Form(CR)

Document Change Notice (DCN)

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